

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 04/08/2020 11:12 AM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124614	-1	2.99	124602	3.00
Blue	F	SSC	125000	126654	1	1.73	127343	1.71
Blue	E	FITC	15892	15316	-4	2.80	334	20.72
Blue	D	PE	29999	29928	-1	1.97	650	14.96
Blue	B	PerCP-Cy5-5	43732	43421	-1	3.69	1161	20.49
Blue	A	PE-Cy7	30845	30908	0	6.06	591	41.00
Red	C	APC	46112	45364	-2	2.44	1602	11.91
Red	A	APC-Cy7	30458	29450	-4	2.39	777	11.70
Violet	B	V450	7918	7657	-4	4.02	436	13.36
Violet	A	V500	32171	31719	-2	3.79	744	10.52

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17063	16.95	625	4	N/A	N/A	Pass
Blue	F	SSC	57883	1.34	566	7	N/A	N/A	Pass
Blue	E	FITC	61	67.07	543	0	0.0191	171	Pass
Blue	D	PE	137	48.89	551	3	0.1492	229	Pass
Blue	B	PerCP-Cy5-5	213	49.76	656	0	0.0089	39	Pass
Blue	A	PE-Cy7	110	101.44	699	1	0.0108	17	Pass
Red	C	APC	382	24.71	583	-1	0.0254	142	Pass
Red	A	APC-Cy7	172	27.99	554	-2	0.0059	900	Pass
Violet	B	V450	67	59.30	464	6	0.0443	1780	Pass
Violet	A	V500	112	35.48	480	6	0.0230	1103	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.41	-32.01	0.96
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.46
Red	17.27	13.60 - 20.40	N/A	N/A	29.36	29.85	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10509

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments